

Steel rod, bars and wire for cold heading and cold extrusion - Part 1: General technical delivery conditions

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10263-1:2001 sisaldab Euroopa standardi EN 10263-1:2001 + AC:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.12.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10263-1:2001 consists of the English text of the European standard EN 10263-1:2001 + AC:2002.</p> <p>This document is endorsed on 19.12.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This Part of EN 10263 specifies the general technical delivery conditions for round rod, round bars and wire for cold heading and cold extrusion made of: - non alloy steels not intended for heat treatment after cold working - non alloy and alloy steels for case hardening - non-alloy and alloy steels for quenching and tempering - stainless steels.</p>	<p>Scope: This Part of EN 10263 specifies the general technical delivery conditions for round rod, round bars and wire for cold heading and cold extrusion made of: - non alloy steels not intended for heat treatment after cold working - non alloy and alloy steels for case hardening - non-alloy and alloy steels for quenching and tempering - stainless steels.</p>
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Võtmesõnad: acceptance testing, case hardening, extrusions, measurement, metal bars, orders :sales documents, packing, specifications, steel bars, steels, testing, tolerances, tolerances (measurement), unalloyed steels, weight : mass, weights, wire rods, wires

Hinnagrupp M

ICS 77.140.60; 77.140.65

English version

Steel rod, bars and wire for cold heading and cold extrusion - Part 1: General technical delivery conditions

Barres, fil machine et fils en acier pour déformation à froid
et extrusion à froid - Partie 1: Conditions techniques
générales de livraison

Walzdraht, Stäbe und Draht aus Kaltstauch- und
Kaltfließpreßstählen - Teil 1: Allgemeine technische
Lieferbedingungen

This European Standard was approved by CEN on 19 April 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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FOREWORD

This European Standard has been prepared by Technical Committee ECISS/TC 15 "Wire-rod - Qualities, dimensions, tolerances and specific tests", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2001, and conflicting national standards shall be withdrawn at the latest by December 2001.

This European Standard EN 10263 is subdivided as follows:

- Part 1: General technical delivery conditions;
- Part 2: Technical delivery conditions for steels not intended for heat treatment after cold working;
- Part 3: Technical delivery conditions for case hardening steels;
- Part 4: Technical delivery conditions for steels for quenching and tempering
- Part 5: Technical delivery conditions for stainless steels.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

1.1 This Part of EN 10263 specifies the general technical delivery conditions for round rod, round bars and wire for cold heading and cold extrusion made of:

- a) non alloy steels not intended for heat treatment after cold working, as specified in EN 10263-2;
- b) non alloy and alloy steels for case hardening as specified in EN 10263-3;
- c) non alloy and alloy steels for quenching and tempering as specified in EN 10263-4;
- d) stainless steels as specified in EN 10263-5.

1.2 Parts 2,3 and 4 of this EN 10263 cover products having a diameter up to and including 100 mm.

Part 5 covers products having a diameter up to and including:

- 25 mm for ferritic and austenitic-ferritic steels;
- 50 mm for austenitic steels;
- 100 mm for martensitic steels.

1.3 In special cases supplementary requirements or deviations with respect to this European Standard may be agreed between the purchaser and the supplier at the time of enquiry and order (See Annex B).

1.4 The general technical delivery conditions in EN 10021 also apply to products supplied in accordance with this European Standard

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of, any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 10002-1	Metallic materials - Tensile testing - Part 1: Method of test (at ambient temperature)
EN 10020	Definitions and classification of grades of steel
EN 10021	General technical delivery requirements for steel and iron products
EN 10027-1	Designation system for steels - Part 1: Steel names, principal symbols
EN 10027-2	Designation system for steels - Part 2: Numerical system
EN 10052	Vocabulary of heat treatment terms for ferrous products
EN 10079	Definition of steel products
EN 10088-1	Stainless steels - Part 1: List of stainless steels
EN ISO 6508-1	Metallic material - Rockwell hardness test - Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)
EN 10204	Metallic products - Types of inspection documents
EN 10221	Surface quality classes for hot-rolled bars and rods - Technical delivery conditions
ENV 10247	Micrographic examination of the inclusion content of steels using standard pictures

EN ISO 377	Steel and steel products – Location and preparation of samples and test pieces for mechanical testing
EN ISO 642	Steel - Hardenability test by end quenching (Jominy test)
EN ISO 3651-2	- Determination of resistance to intergranular corrosion of stainless steel – Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in media containing sulphuric acid
EN ISO 9002	Quality systems - Model for quality assurance in production, installation and servicing
CR 10260	Designation systems for steel : Additional symbols
CR 10261	Iron and steel - Review of available methods of chemical analysis
prEN 10060 ¹⁾	Hot rolled round steel bars. Dimensions and tolerances on shape and dimensions
prEN ISO 14284 ¹⁾	Steel and iron - Sampling and preparation of samples for the determination of chemical composition
prEN 10168 ¹⁾	Iron and steel products - Inspection documents – List of information and description
EURONORM 103 ²⁾	Micrographic determination of austenitic or ferritic grain size of steel
EURONORM 104 ²⁾	Determination of depth of decarburization of non alloy and low alloy mechanical steel

3 Terms and definitions

For the purpose of this standard the definitions in EN 10020, EN 10021, EN 10052, EN 10079, EN ISO 377, prEN ISO 14284 apply.

4 Classification and Designation

4.1 Classification

The classification of the steel grades covered by this European Standard according to EN 10020 is indicated in clause 4.1 of Parts 2, 3, 4 and 5 of this standard for the corresponding steel grades.

4.2 Designation

4.2.1 Steel names

For the steel grades covered by this European Standard, the steel names as given in the relevant tables of Parts 2,3,4 and 5 of this standard are allocated in accordance with EN 10027-1 and CR 10260

4.2.2 Steel numbers

For the steel grades covered by this European Standard, the steel numbers as given in the relevant tables of Parts 2,3,4 and 5 of this standard are allocated in accordance with EN 10027-2.

¹⁾ In preparation, until this document is published as European Standard, the corresponding National standard should be agreed at the time of enquiry and order.

²⁾ Until this EURONORM is transformed into a European Standard, this EURONORM or a corresponding national standard may be applied, depending on the agreement at the time of ordering (see Annex A).